

AMENDMENT

U.S. Appln. No. 09/622,439

8. 12. An expression vector comprising a polynucleotide encoding a G protein-coupled receptor comprising amino acids 1 to 370 of SEQ ID NO: 4 when said expression vector is present in a compatible host cell.

9. 13. A process for producing a recombinant host cell comprising transforming or transfecting a cell with the expression vector of claim 8. such that the host cell, under appropriate conditions, produces said G protein-coupled receptor protein.

10. 14. A recombinant host cell produced by the process of claim 13.

11. 15. A membrane of the recombinant host cell of claim 14 expressing said polypeptide.

12. 16. A method for producing a G protein-coupled receptor protein comprising culturing the host cell of claim 14 under conditions sufficient for the production of said G protein-coupled receptor protein and recovering said protein from the culture.

13. 17. An isolated polynucleotide that is fully complementary to an isolated polynucleotide comprising a nucleotide sequence encoding a G protein-coupled receptor protein comprising amino acids 1 to 370 of SEQ ID NO:4.

14. 18. The isolated polynucleotide of claim 17 that is fully complementary to polynucleotides 1 to 1113 of SEQ ID NO:3.

15. 19. An isolated polynucleotide encoding a polypeptide comprising amino acids 1 to 370 of SEQ ID NO: 4.

16. 20. The isolated polynucleotide of claim 19, which encodes a polypeptide consisting of amino acids 1 to 370 of SEQ ID NO:4.

17. 21. The isolated polynucleotide of claim 19 which is RNA.

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The isolated polynucleotide of claim 19 which is DNA.

An expression vector comprising a polynucleotide encoding a polypeptide comprising amino acids 1 to 370 of SEQ ID NO: 4 when said expression vector is present in a compatible host cell.

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24. A process for producing a recombinant host cell comprising transforming or transfecting a cell with the expression vector of claim 23 such that the host cell, under appropriate conditions, produces said polypeptide.

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A recombinant host cell produced by the process of claim 24.

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A membrane of the recombinant host cell of claim 21 expressing said polypeptide.

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24. A method for producing a polypeptide comprising culturing the host cell of claim 25 under conditions sufficient for the production of said polypeptide and recovering said polypeptide from the culture.

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28. An isolated polynucleotide that is fully complementary to an isolated polynucleotide comprising a nucleotide sequence encoding a polypeptide comprising amino acids 1 to 370 of SEQ ID NO:4.

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The isolated polynucleotide of claim 28 that is fully complementary to polynucleotides 1 to 1113 of SEQ ID NO:3.

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An isolated polynucleotide comprising polynucleotides 1 to 1113 of SEQ ID

NO:3.